Efficasey Environmental, LLC

Efficacy, n., "Power to produce the intended effect."

EPA Region 5 Records Ctr.

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To:	Gwen Massenburg	Fax Number:	312-886-4071
Company:	USEPA	Date:	October 2, 2002

From:	Terry Casey	Fax Number: 281-351-9447
Company:	Efficasey Environmental, LLC	Pages (including cover): 24

Subject:			
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COMMENTS:

Original sent via federal express.

Shelia Abraham, OEPA cc: Marcus Martin, Esq. Susan Prout, Esq., USEPA Dennis Reis, Esq. Patricia Vojak, Entact

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PAGE

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Terry S. Casey 14015 Park Drive, Saite 109 Tomball, TX 77377-6291 Phoae: (281) 351-9441 Fax: (281) 351-9447

October 2, 2002

Via Facsimile and Express Mail

Ms. Gwen Massenburg Remedial Project Manager U.S. Environmental Protection Agency, Region V 77 West Jackson Blvd., SR-6J Chicago, Illinois 60604-3590

Re:

Designation of Contractor - Administrative

Order by Consent ("AOC"), Docket No. V-W-'02-C-711

Dear Ms. Massenburg:

Pursuant to Section V.1. of the above-referenced AOC, the Respondents are designating ENTACT, Inc. as the primary contractor for work to be performed by the Respondents under the AOC. Mr. Mike Stoub will act as ENTACT's Project Manager.

ENTACT is the only contractor currently under contract for the project. Consistent with the requirements of the AOC, the Respondents will notify EPA of additional contractors/subcontractors at least five business days prior to commencement of work.

Attached, please find a copy of ENTACT's Statement of Qualifications ("SOQ"). An original copy of the SOQ is being sent to you under separate cover by ENTACT.

Respectfully,

i paper

Terry S. Casey, CEP

cc: Facsimile and U.S. Postal Service

Sheila Abraham, OEPA Marcus Martin, Esq.

Susan Prout, Esq., USEPA

Dennis Reis, Esq.

Patricia Vojack, Entact



ENTACT'S STABILIZATION & CAP and CONTAINMENT PROJECT EXPERIENCE

Prepared for: Gwenn Massenburg USEPA Region 5

Prepared by:



OCTOBER 2. 2002

INTRODUCTION

ENTACT designs and implements environmental remediation solutions. Our organization was founded on the notion that business, technical, regulatory, and field expertise are needed to deliver environmental solutions. Using a multi-disciplined Total Performance Approach, ENTACT aligns its agenda with the customer, only receiving reward for results and producing the lowest total cost every time. In this way, ENTACT achieves its Vision Statement: "Leading the Nation in Customer Care".

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CRMICAL DESIGN

 Schwylkili Metals NPL Site ENTACT created a new-parented treatment system and additive that delivered previously unachieved stabilization/solidification requirements at a substantial COST SEVIDES.

REGULATORY NEGOTIATION

United Scrap NPI. Site

By modifying the Amended Proposed Plan and Negotiating a streamlined Scope of Work, ENTACT created a significant cost savings opportunity that we subsequently delivered in the field.

Asserce Refinery

'labor

ENTACT decomminated and demolished 26 acres of refinery buildings, chemically stabilized 5,000 cubic yards of metal impacted refractory bride, and constructed an on site material consolidation area - performing all project activities on schedule and within budget.

CUSTOMER CARE

Jefferson at the North End

ENTACT partnered with Brownfield real estate developers by providing and delivering a lump sum (regardless of scope changes) price for all environmental remediation at this property.

In addition to outstanding performance, it is ENTACT's culture that distinguishes this organization from any other. We have created a culture that thrives on innovation, rewards risk taking, emphasizes teamwork, creates owners, and most importantly, holds the individual as the most important asset. ENTACT flourishes because of its remarkable people.

ENTACT MISSION STATEMENT

"Our mission is to provide immonetive and low cost environmental solutions through building a principle-centered organization dedicated to positive development of individuals, values, and teamwork, resulting in our ultimate goal of customer satisfaction."

ENTACT's capabilities are expressed best through project descriptions. This document contains expresentative project descriptions sorted by performance capability.

STATS & FACTS

Founded

1991 150

Associates

Office Locations Chicago, Dallas

Annual Revenue \$50M

Company Awards

1997 Inc. Magazine "500 Fastest Growing Companies", 2000

Zweig White "Fastest Growing Environmental Companies"

Completed Projects

1100+

Representative Customer List

Allied Signal, Arrow Electronics, ASARCO, Beazer,

Berhichem Steel, Commonwealth Edison, Conoco, DuPont, Exide, Ford Motor Company, General Motors, Halliburton, Johnson Controls, Lucent, Nicor, Phillips Petroleum, Texaco,

Union Pacific Railroad

Project Size

\$5,000 - \$50,000,000

Project Locations

42 States, Puerto Rico, Canada, Mexico,

Select Worldwide Locations

Material Handled

5 Million Cubic Yards

Hazardons Treatment

2 Million Cubic Yards

Building Decontamination

5 Million Square Fore

Building Demolition

4 Million Square Feet

Residential Lot Remediation

2000 + Lots

Cap and Containment Systems

200 + Acres

Contaminants Addressed

Metals, Organics, Asbestos, PCB's

Media

Soil, Groundwarer, Surface Warer

Cleanup Program Experience

CERCLA - NPL

CERCLA - Emergency Removal Actions

RCRA

State Superfund

Voluntary Cleanup Programs

Brownfield Program

TSCA

US EPA Region Experience

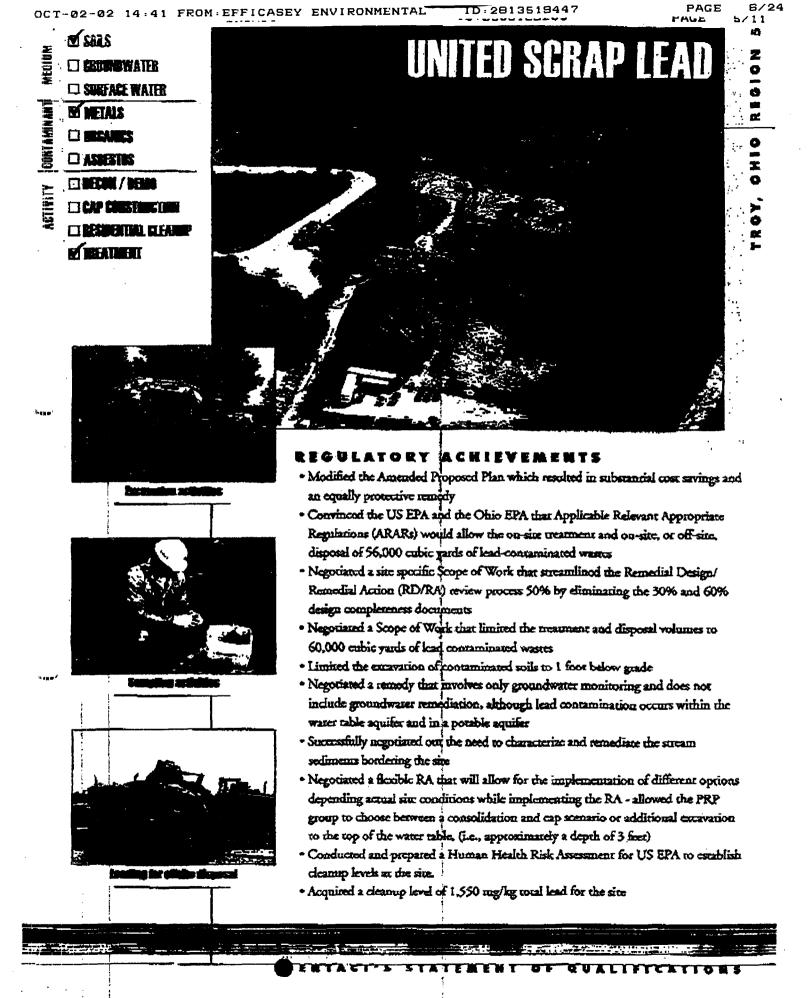
Regions 1-10

Patents

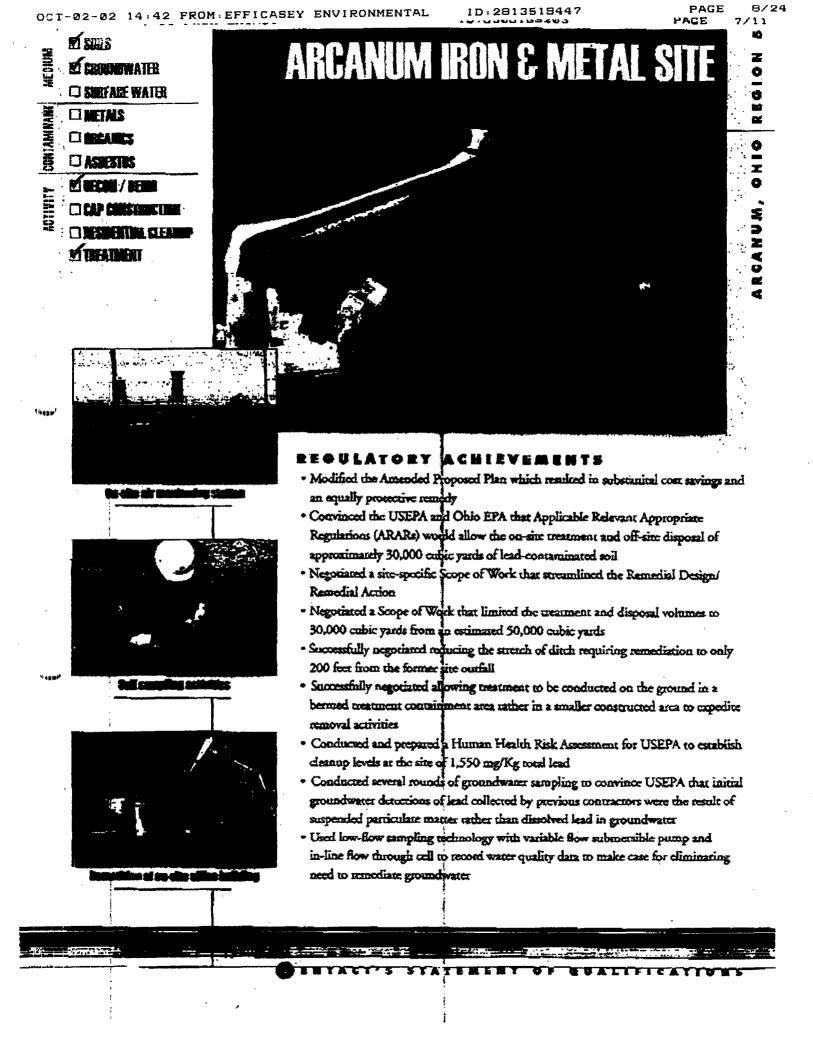
#5,588,947 - Hazzardous Waste Treatment Apparatus

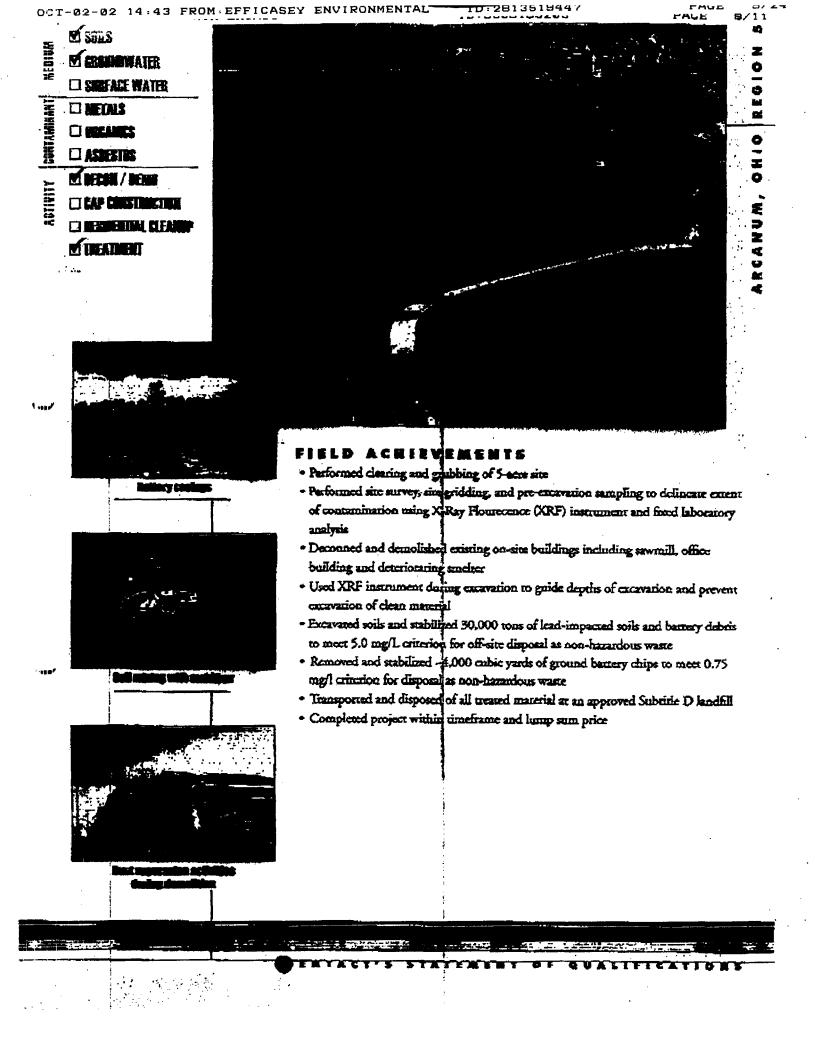
#5,591,116 - Hazardous Waste Treatment Additive

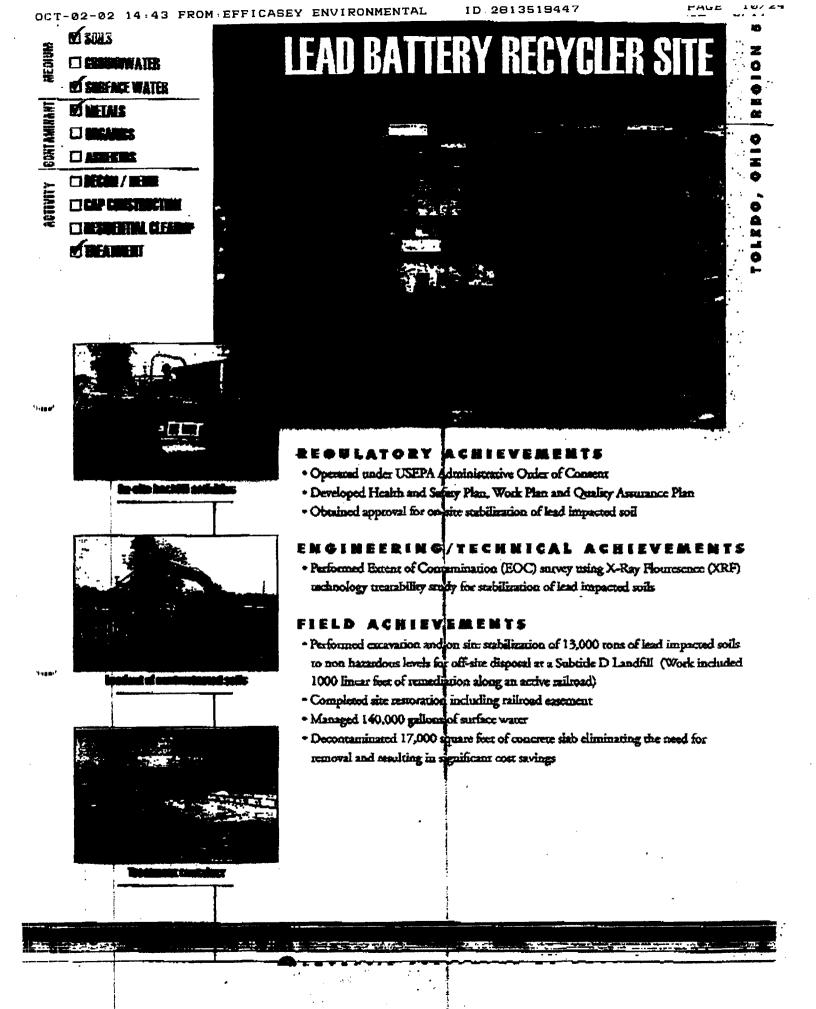
#5,667,696 - Treatment of Lead Based Paint Mixtures









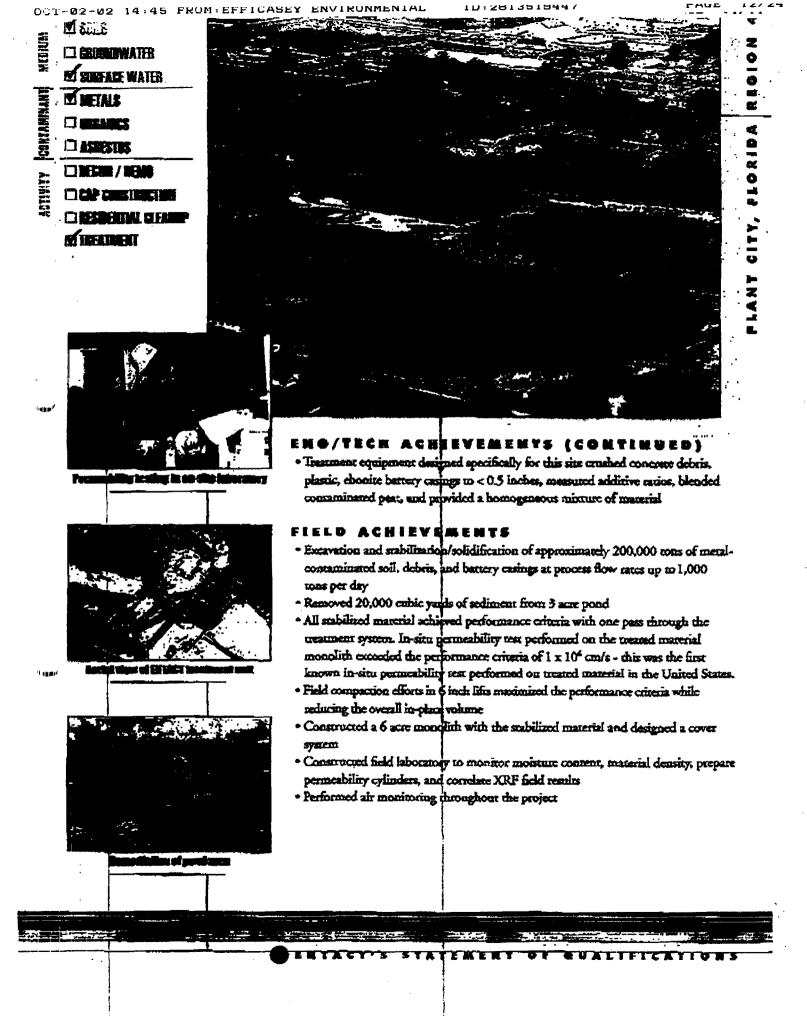


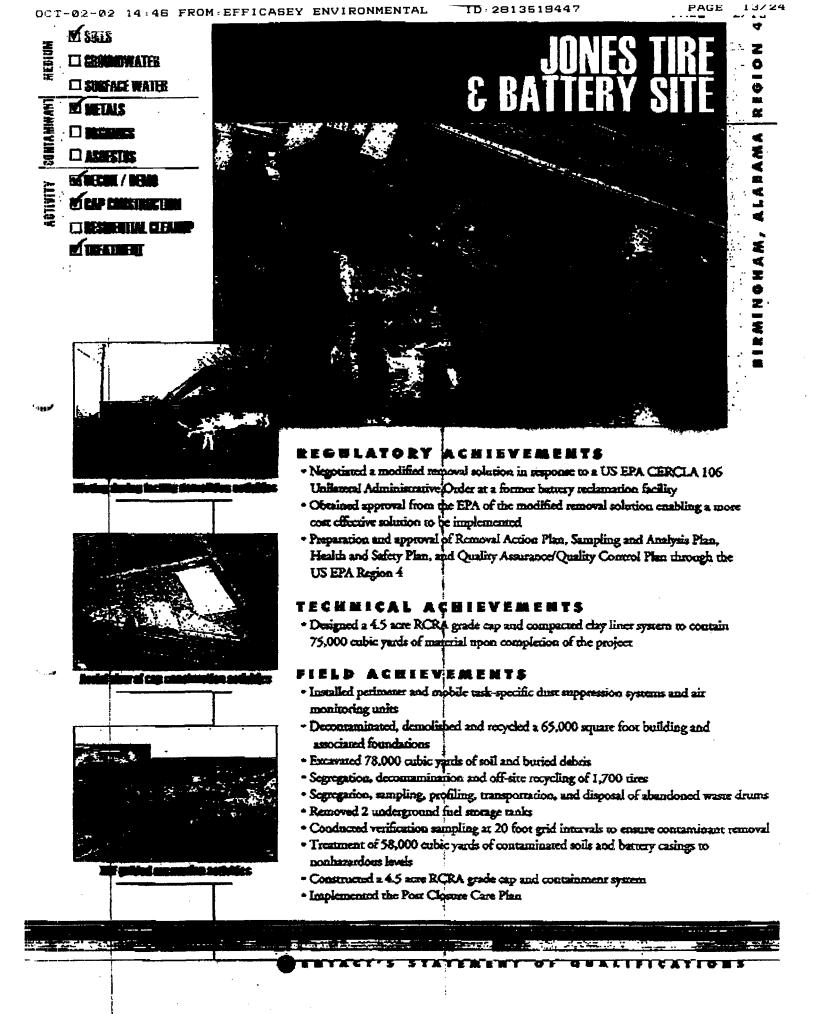


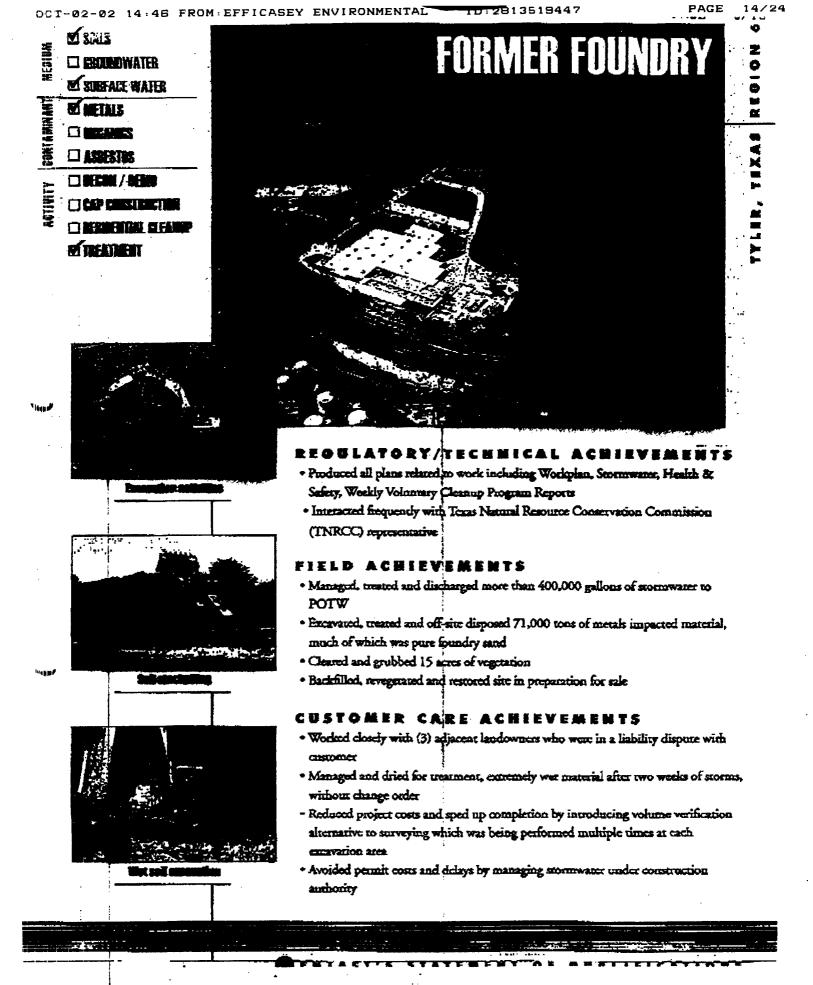
the performance criteria were performed within 7 months; other firms had worked

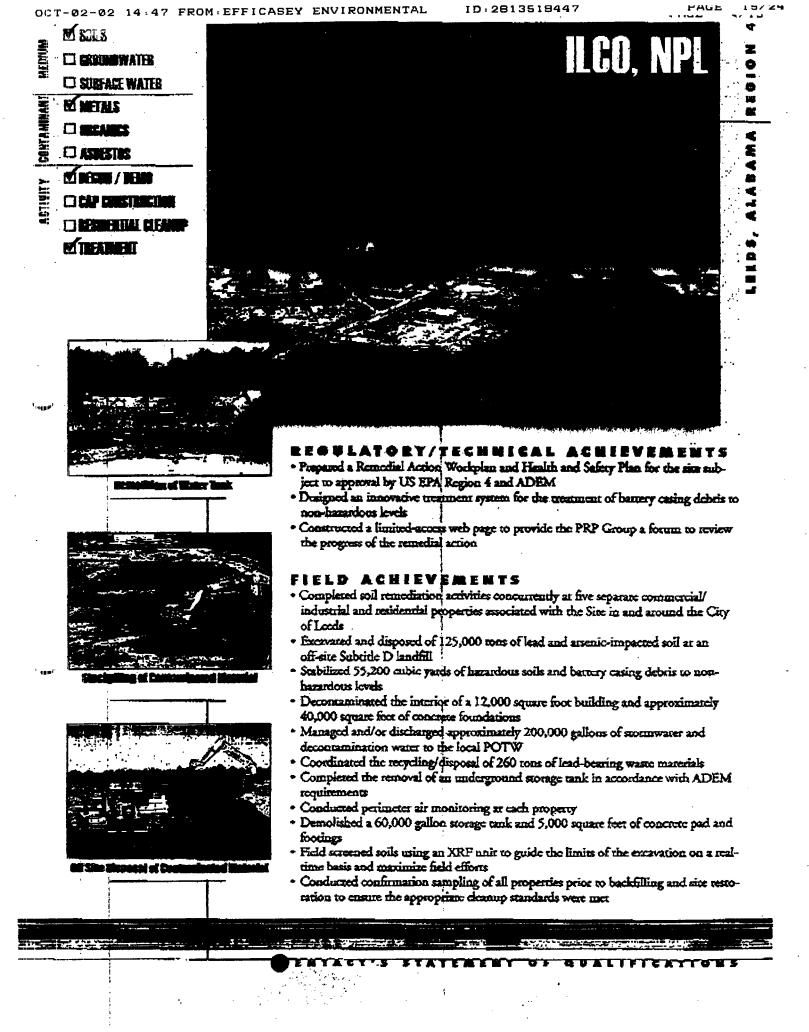
on this project for five years without successfully treating any material.

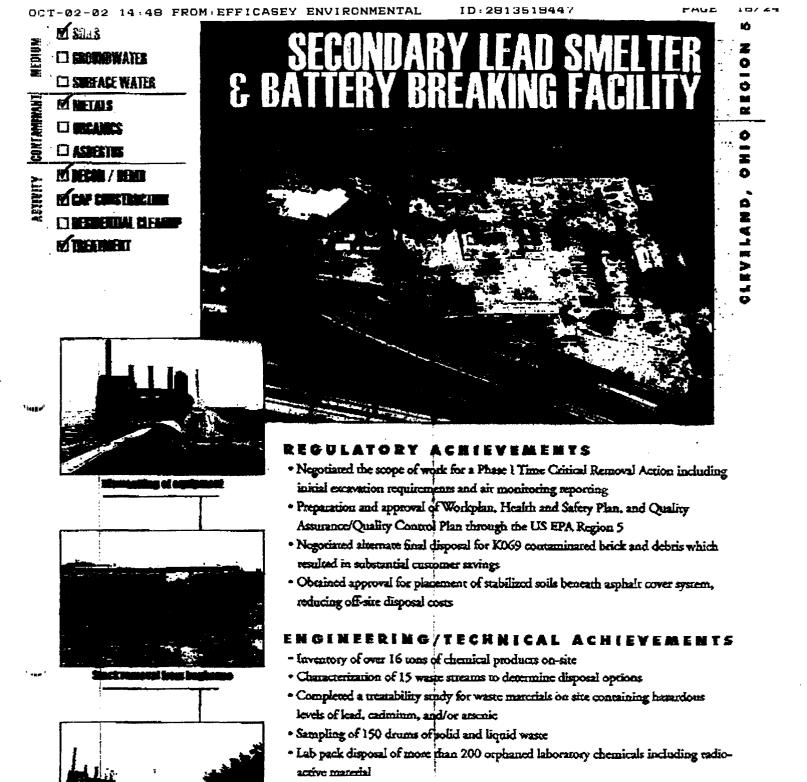
Higher quality and more cost effective methods were implemented through significantly altering the treatment method and additive composition; designed a treatment additive and site-specific treatment process equipment to meet a groundwater protection standard of 0.015 mg/l, a compressive strength >50 psi, a hydraulic conductivity of <1 x 10° cm/s, and a TCLP lead concentration < 5.0 mg/l.



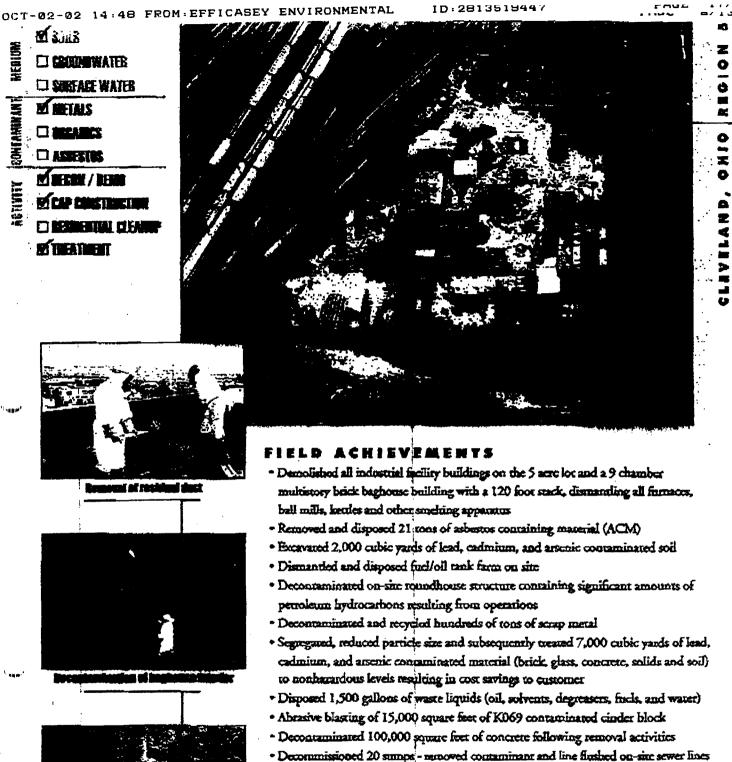






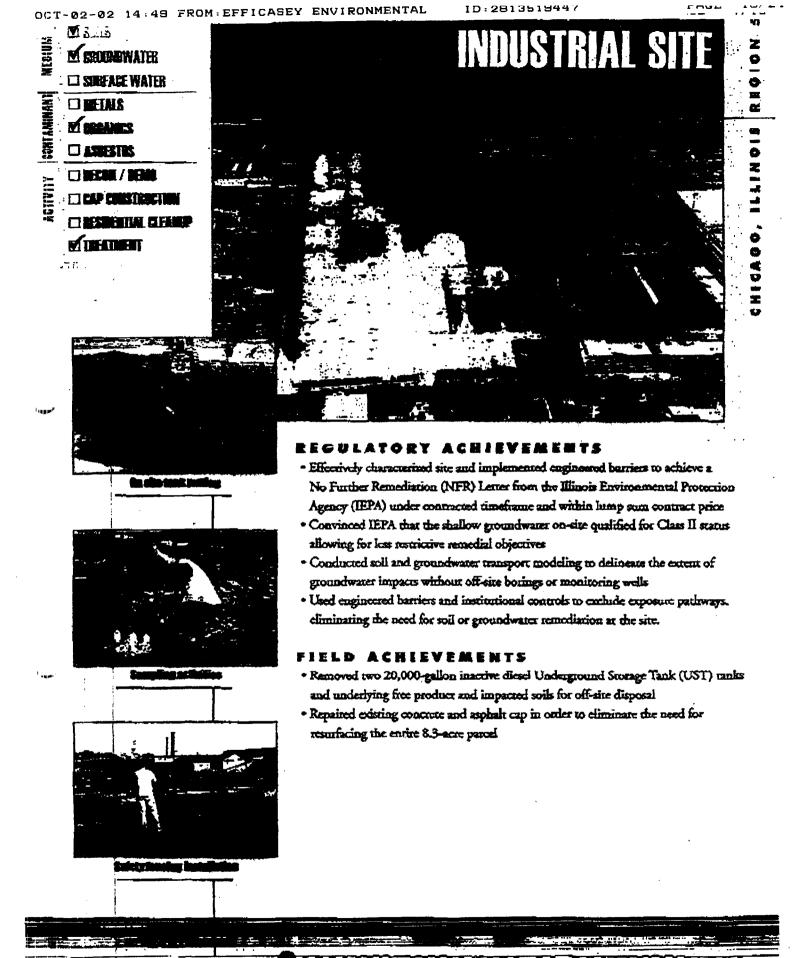


Preparation and implementation of Phase II Engineering Evaluation/Cost Analysis
 Preparation and implementation off Remedial Design/Remedial Action for non-time critical final remedial action allows for property transfer and redevelopment





- · On-site construction of tank containment system to confine stabilized soil awaiting
- verification results
- Final remedial action allowing for property transfer and redevelopment as part of City of Cleveland's Brownfield Initiative
- Removal and stabilization of -2000 cubic yards of off-site lead-impacted soils
- Asphalt capping of 85,000 square feet for industrial re-use
- Reconditioning and repair of existing concrete surface outside asphalt cover



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SECULATORY ACREVEMENTS

· Prepared and approved various site plans including a Remedial Action Work Plan, Field Sampling and Analysis Plan, Invenior Remedial Action Report, Health & Safety Plan, as well as extensive submittal packages

ENGINEERING/TECHNICAL ACHIEVEMENTS

- · Provided management and oversight for the operation of the stormwater and landfill leachage treatment systems including collecting weekly leachage effluent samples to confirm discharge limits compliance
- · Confirmed sampling of grid excavations for both residential and industrial properties to confirm obtainedment of performance criteria
- · Performed screening, placement, treatment, final grading, seeding and maintenance of Total Petroleum Hydrocarbon (TPH) impacted soil in accordance with the a USEPA provided bioremediation plan

SUPPLANTS

METALS

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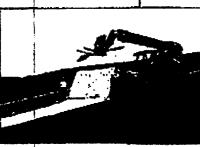
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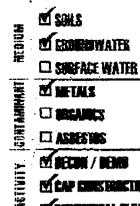
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FIELD ACHIEVEMENTS

- Deconnaminated and removed several site structures including concrete walls, slabs, old stormwater treatment system and kettle basins
- Constructied a landfill cell including cell excavation, subgrade preparation, geospathetic liner installation, and leachant collection system installation;
- Excavated and segregated lead impacted soils from assidential and industrial
 properties and placement within the landfill cell or use as backfill material
- On-site stabilization of excavated soils and other material containing total lead
 concentrations greater than 10,000 mg/kg, analytical testing of stabilized materials
 to confirm that performance criteria were met, and placement of stabilized material
 within the hadfill
- Backfill, final grading, restoration and seeding of residential and industrial excavation areas
- Removed concerningted sediments and restoration of Nesquehoning Creek
- Final waste grading, permanent goosynthetic and soil cap construction, turf establishment, erosion matting installation and seeding of newly constructed cap



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REGULATORY ACHIEVES

- Negotiated State Administrative Order
- Gained approval for full facility closure and on-site construction of containment system for disposal of comaminated materials in flood plain and residential areas
- Coordinated all activities with Texas Natural Resources Conservation Commission (TNROC)
- Prepared and received approval of Remedial Action Plan, Closure Plan for 18 hazardous waste units, RFI Workplan, Stormwater Permit Pollution Prevention Plans, Offsite Facility Investigation, and Post-closure Care Permit

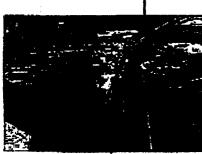
ENGINEERING/TECHNICAL ACHIEVEM

- Designed 5,800 linear foot, 30 foot deep, subsurface slurry wall
- · Designed system to crush and west 45,000 cubic yards of slag, lead contaminated soil, and battery casings
- Designed 13 acre RCRA grade cap
- Designed groundwater monitoring and remediation system

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- Decomminated and demolished a 75.000 square foor building including smelter buildings and equipment
- * Decontaminated 18 hazardous waste units
- Removed K069 concuminated debris for Best Demonstrated Available Technology (BDAT) treatment and recovery at a secondary lead smelter
- "Remediated and restored residential properties adjacent to the smelter facility
- Treated 45,000 cubic yards of contaminated soils and smelter slag to Class II nonhazardous levels
- · Performed in-situ neutralization of low PH soils
- Constructed subsurface slurry wall 30 feet deep and 5,800 feet in length
- Constructed a 13 scre RCRA grade cap
- Closed 250,000 cubic yards of contaminated material inside containment system
- Performed on-site treatment of contaminated water and discharged to city facility
- · Installed 51 monitoring wells

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REGULATORY ACHIEVEMENTS

- Proposed the use of a relatively new regulatory tool called a Corrective Action
 Management Unit (CAMU) that would allow on-site disposal of contaminated soils
- Negotiated the first CAMU in Region 5 that incorporated bazardous waste management units closed inside the CAMU
- Obtained approval from the EPA of the modified removal solution which enabled a
 more cost effective protective solution to be implemented
- Developed and approved an Interim Stabilization Measure which secured the majority of the contaminated areas
- Developed, modified RCRA Facility Investigation
- Prepared Laterim Stabilization Measures Workplan, Sampling and Analysis Plan,
 Health and Safety Plan, and Quality Assurance/Quality Control Plan

ENGINEERING/TECHNICAL ACHIEVEMENTS

- * Designed an Extent of Contamination (EOC) survey
- * Designed 30 feet deep subsurface containment wall
- ▼ Designed 14 acre RCRA cap

FIELD ACHIEVEMENTS

- Decontaminated and demolished remaining industrial facility buildings
- Excavated and consolidated approximately 100,000 cubic yards of hazardous materials inside of the containment area
- Constructed a 30 feat deep subsurface slurry wall
- Completed EOC sampling activities
- Monitored perimeter and personnel air throughout project
- Removed 100,000 cubic yards of lead concammated material from 45 acres of werlands
- Restored werland areas affected by remediation

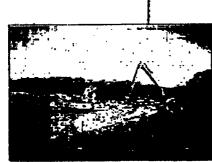
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- Conducted site remediation in compliance with U.S.EPA Region V Unilateral Administrative Order
- · Developed Project Work Plan, Quality Assurance/Quality Control Plan, Health & Safety Plan, Storm Water Management Plan
- Provided on going submittal packages, technical modifications and reports as required by the project technical specifications

ENGINEERING/TECHNICAL ACHIEVEMENTS

- * Assisted in redesign of slurry wall to accomplish installation through wetland area
- Obtained U.S.EPA approval to modify subsurface drain specifications to allow successful installation of the High Density Polyethylene (HDPE) piping utilizing the specialized one-pass trenching equipment

FIELD ACHIEVEMENTS

- Installation of subscripe: HDPE drainage system to depths up to 40 feet utilizing specialized one pass treaching equipment
- Construction of 2,830 lineal feet of slurry wall around perimeter of existing landfill to depths up to 40 feet
- Construction of groundwater meatment system consisting of collection piping. concrete manholes, pumps and treatment building and components
- Construction of twenty-two zere landfill cap consisting of soil foundation layer, geomembrane layer, drainage layer, protective soil layer and topsoil
- Installation of new groundwater monitoring wells and abandonment of existing groundwater monitoring wells
- Site restoration including grading for water management and seeding